State of California
AIR RESOURCES BOARD

EXECUTIVE ORDER G-04-046

Relating to Independent Contractor Approval under
Section 91207, Title 17, California Code of Regulations

TRC/Cubix

WHEREAS, the Air Resources Board (ARB), pursuant to section 41512 of the California Health and Safety Code, has established the procedures contained in sections 91200-91220, Title 17, California Code of Regulations, to allow the use of independent testers for compliance tests required by the ARB; and

WHEREAS, it has been determined that TRC/Cubix meets the requirements of the ARB for conducting ARB Test Methods 1, 2, 2A, 3, 4, 5, 6, 8, 11, 16A (Tutwiler), 20, 100 (CO, CO_2, NO_x, O_2, SO_2, THC), 501, United States Environmental Protection Agency Test Methods 18, 19 (determining the emission rate of NO_x, on an hourly basis, if the appropriate F factors can be determined from Table 19-2 of the method), and Visible Emissions Evaluation (VEE) pursuant to Sections 91200-91220, Title 17, California Code of Regulations, when the following conditions are met:

1. TRC/Cubix permanently marks or engraves an identification number on each of its pitot tubes.

2. TRC/Cubix calibrates its magnehelic gauges and electronic micromanometers after each test series and establishes and maintains a log for the calibrations.

3. TRC/Cubix uses a barometer or a barometric reading from a nearby national weather service station to obtain the atmospheric pressure within 2.5 mm Hg.

4. TRC/Cubix establishes and maintains a log for the calibration of its dry gas meter.

5. TRC/Cubix uses calibrated weights for calibrating its balances.

6. TRC/Cubix uses a laboratory grade preweighed aluminum weighing dish, as required.

7. TRC/Cubix establishes and maintains calibration and laboratory log books. These books must contain, at a minimum, calibration data on their balances, nozzles, thermometers, and meter boxes. They must also contain log information on the weight check, zero check, tare, balance room temperature, and relative humidity data.

8. TRC/Cubix checks its Thorin indicator solution against a known before use. If TRC/Cubix conducts the titration away from the laboratory, it must check the Thorin before it leaves the laboratory and before use in the field.

9. TRC/Cubix participates in the U.S. EPA Stationary Source Compliance Audit Program for approved methods, if available.

10. TRC/Cubix installs and uses a needle valve, or equivalent, made from stainless steel or other corrosion-resistant material to adjust gas flow rate for ARB Test Method 11.

11. TRC/Cubix inserts a small surge tank between the pump and rate meter ARB Test Method 11.

12. TRC/Cubix uses a needle valve or critical orifice to set air purge flow to 1 liter/min ARB Test Method 11.

13. TRC/Cubix includes the following information on all strip charts: the pollutant of interest, source, analyzer range, date and time, zero offsets, and the name of the person operating the instruments.

14. TRC/Cubix uses a 40%H_2/60%He or a 40%H_2/60%N_2 blend, as appropriate, as fuel for its hydrocarbon analyzer.

15. The person performing VEE is certified to conduct VEE at the time of the test.

WHEREAS, the ARB's Executive Officer, pursuant to Health and Safety Code section 39516, issued Executive Order G-02-008 delegating to the Chief of the ARB Monitoring and Laboratory Division the authority to approve independent testers in accordance with Title 17, California Code of Regulations, sections 91200-91220;

NOW, THEREFORE, I, William V. Loscutoff, Chief of the ARB Monitoring and Laboratory Division, order that TRC/Cubix is granted an approval, from the date of execution of this order until June 30, 2005, to conduct the tests listed above, subject to compliance with sections 91200-91220, Title 17, California Code of Regulations;

IT IS FURTHER ORDERED that, during the approved period, the Executive Officer or his or her authorized representative may field audit one or more tests conducted pursuant to this order for each type of testing listed above.

Executed at Sacramento, California this 20th day of July 2004.

Original signed by

William V. Loscutoff, Chief
Monitoring and Laboratory Division